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ABSTRACT OF THE ²⁹ Disclosure ✓
SMALL PARTICLE DRUG COMPOSITIONS



5 A drug delivery composition for intranasal delivery comprises a plurality of
bioadhesive microspheres and active drug associated with each microsphere, at
least 90 wt % of the microspheres having a diameter in the range $0.1 \mu\text{m}$ to
10 μm . The microspheres may be of starch, gelatin, dextran, collagen or
albumin. Suitable drugs include peptides, such as insulin, and antigenic vaccine
10 ingredients. The composition may additionally comprise an absorption
enhancer. The microspheres are administered to the nasal cavity by a means
such that the product of the square of the microsphere diameter and the flow
rate is greater than $2000 \mu\text{m}^2 \cdot \text{litres/min}$.